ABSTRACT

A fuel cell stack is disclosed, so as to prevent the corrosion of the power output terminal plate due to coolant and the occurrence of electric short circuits through the coolant, and to improve the flexibility of selection of the coolant. The fuel cell stack has unit fuel cells, each comprising an anode, a cathode, and an electrolyte which is placed between the anode and the cathode, wherein the unit fuel cells are stacked via separators. A pair of power output terminal plates are provided, one attached to each end face of the stacked unit fuel cells. A coolant supply and drainage passage and a gas supply and exhaust passage are formed through the stacked unit fuel cells and the power output terminal plates in the stacking direction, and the edge of each passage through the power output terminal plates is covered with a grommet having an insulating capability.